

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-015326**Date Inspected:** 03-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	Mr. Xu Le Feng/ Mr. Qiu Wen			CWI Present:	Yes	No	
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006			Component:	Tower		

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance(QA) Inspector, Baskar Govindarajan, was present during the times noted above for observations relative to the work being performed.

Tower Jetty

1.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040582 perform SMAW Repair welding on; Cross bracing connecting plate in East shaft, Lift 2 at Tower trial assembly area in 65 mtr. elevation and the weld joint is identified as ESD1-SA 300 C/F-12, 13. ZPMC CWI Identified as Mr. Qiu Wen. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-485-SMAW-2G (2F)-Repair-1. Photograph showing the preheating of this joint is attached.

2.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 202100 perform SMAW welding on; Cross bracing connecting plate in West shaft, Lift 2 at Tower trial assembly area in 77 mtr. elevation and the weld joint is identified as WSD1-SA 340 C/F-15. ZPMC CWI Identified as Mr. Qiu Wen. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3212-B-U2A-2.

Bay no. 11

3.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040723 perform FCAW welding on; OBG Lift 13 components and the weld joint is identified as SP3018-001-008, 007,

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014. ZPMC CWI Identified as Mr. Xu Le Feng. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2132. (Photo attached)

4.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040655 perform SMAW welding on; Spare strut Flange to stiffener and the weld joint is identified as SD1-STSA4-5-119mtr.-1-9, 10. ZPMC CWI Identified as Mr. Yu Dong Ping. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2112.

5.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 044541 perform SMAW welding on; Spare strut Flange to stiffener and the weld joint is identified as SD1-STSA4-5-139mtr.-1-19, 20. ZPMC CWI Identified as Mr. Yu Dong Ping. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2112.

6.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 046709 perform SMAW welding on; Lift 4 to 5, interior splice plate and the weld joint is identified as ESD1-SPSA5-7-2A. ZPMC CWI Identified as Mr. Xu Le Feng. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3211-TC-U5B-1

7.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040704 perform SMAW welding on; Lift 4 to 5, interior splice plate and the weld joint is identified as WSD1-SPSA5-12-2A. ZPMC CWI Identified as Mr. Xu Le Feng. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3211-TC-U5B-1

8.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040667 perform SMAW welding on; Lift 4 to 5, interior splice plate and the weld joint is identified as WSD1-SPSA5-20-2B. ZPMC CWI Identified as Mr. Xu Le Feng. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3211-TC-U5B-1.
Bay no. 10

9.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 050289 perform SMAW welding on; Lift 4 to 5, interior splice plate and the weld joint is identified as NSD1-SPSA5-13-2B. ZPMC CWI Identified as Mr. Gao Zhi chun. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3211-TC-U5B-1.

10. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 052413 perform SMAW welding on; Lift 4 to 5, interior splice plate and the weld joint is identified as SSD1-SPSA5-13-4B. ZPMC CWI Identified as Mr. Gao Zhi chun. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3211-TC-U5B-1.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

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OBG - Lift 13 components welding at Bay no. 11



Cross Bracing Gusset preheating at 65 mtr. of East shaft, Lift 2, Jolly



Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Micheal Ng (15921845703), who represents the Office of Structural Materials for your project.

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford, William

QA Reviewer